

S258521



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D5762-15

Job Sheet 207382



POSITIVE RECALL

POSITIVE  
RECALL

Part No: D5762-15

Job Qty: 10 pcs

Part Name: Cap



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/25/20

Job Tracking No:

Due Date: 3/6/20

Created By: Jennifer Renwick

Type: Stock

Description:

Note: URF 2020-525 Was PN: 78633-09 DWG D5762 REV:A IPP REV:A 19.12.20 NEW ISSUE JV VERF:DD

Ship Via:

## Bill of Materials

## Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Waterjet - Flow - 1	10 pcs	3/6/20	3/6/20	0.17	0.33	Waterjet - Flow		20/02/20
110	QC 2	10 pcs	3/6/20	3/6/20	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		20/02/20
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		
							QC 2 - 65		

PRIORITY

Plex 2/25/20 12:34 PM Dart.lajeunesse.marie



120	QC 8	10 pcs	3/6/20	0.00 0.00	QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
					QC 2 - 76	
					QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					QC 8 - 57	
					QC 8 - 76	
					QC 8 - 61	
130	Packaging 3-1 - Stock - B4B	10 pcs	3/6/20	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	

DAS  
FEB 26 2020 40  
9-89

MAL

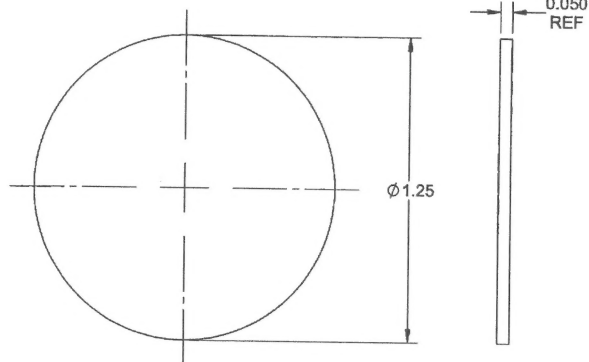


				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
140	QC 21 - SA	10 pcs	3/6/20	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53
Part Op <b>100</b> - 1-Cut as per D5762 DWG. DWG. Rev: <u>A</u> PROG. Rev: <u>A</u> 2-Deburr if necessary Descriptions: <b>110</b> - QC2- Inspect parts off machine FAI/FAIB <b>120</b> - QC8- Inspect parts - second check <b>130</b> - Identify as per dwg & Stock Location: _____ <b>140</b> - QC21- Final Inspection - Work Order Release					
<b>Job BOM</b>					
<b>Part / Item</b>	<b>Component Name</b>	<b>Quantity</b>	<b>Operation</b>		<b>Container</b>
M304S18GA	304/316 .050 Sheet	.1170 sf (.0117 ea)	100-Waterjet - Flow - 1		5243464
<b>Job Allocations</b>					
<b>Operation</b>	<b>Component Part</b>	<b>Required</b>	<b>Inventory</b>	<b>Allocated</b>	
100-Waterjet - Flow - 1	M304S18GA	0	585	0	
<b>Part Specifications</b>					
Specifications could not be found.					

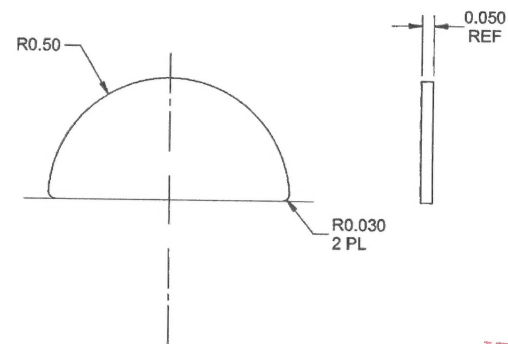
Plex 2/25/20 12:34 PM Dart.lajeunesse.marie







**D5762-15 CAP**  
(DERIVED FROM AERO DESIGN P/N 78633-09)



**D5762-17 CAP**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 207382  
MCW  
20-02-25

UNDER REVIEW  
URF 2020-524 20.02.20 (NO)

- NOTES:**
- 1) MATERIAL: 304/316 STAINLESS STEEL SHEET ANNEALED, #18 GA (0.050 THICK)  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: -15: 0.02 lbs  
-17: 0.01 lbs

**RELEASED**  
2020 FEB 19

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	DD	<b>D5762</b>	SHEET 14 OF 14
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>AFT BEAM</b>	NTS
DATE	19.12.17	COPYRIGHT © 2019 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER POHB045418



**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**Attention:** Langevin, Melanie

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB045418

**PO Date:** 12/17/19

**Due Date:** 12/20/19

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Phone:

**Via:** Ground

**Pynt Terms:** Net 60

**Freight Terms:**

**Special Comments:** QUOTE NO. SOU0230636

DEC 17 2019

## Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M6063T5C.75X.75W.125			6063-T5 Channel 0.750" x 0.750" x 0.125" wall receive ft	Firmed	-	12/20/19	21 ft	0 ft	21 ft	\$1.006/ft	\$21.13
										21 ft		DEC 23 2019	
2		M6063T5A0.750W.063			6063-T5 Angle .750 X.750 X.063 WALL receive ft	Firmed	-	12/20/19	21 ft	0 ft	21 ft	\$0.3757142/ft	\$7.89
										21 ft		DEC 23 2019	
3		M304S18GA			304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	12/20/19	320 sf	0 sf	320 sf	\$5.6679375/sf	\$1,813.74
										320 sf		DEC 23 2019	
										320 sf		DAS 82 9-89	



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Canada

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# PURCHASE ORDER

## POHB045418



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M304S11GA			304/316 0.125 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	12/20/19	64 sf	0 sf 64sf vm (2rs)	64 sf	\$12.912343/sf  DAS 82 9-89  DEC 23 2019	\$826.39
5		M304S14GA			304SS sheet .080 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	-	12/20/19	64 sf	0 sf 64sf vm (2rs)	64 sf	\$7.7415625/sf  DAS 82 9-89  DEC 23 2019	\$495.46
6		M304S16GA	D3494		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	12/20/19	128 sf	0 sf 128sf vm (4rs)	128 sf	\$6.1936718/sf  DAS 82 9-89  DEC 23 2019	\$792.79



Dart Aerospace Ltd.  
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Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **POHB045418**



## **Items**

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7		M6061T6S.188			6061-T6 .188 Sheet : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/11 OR AMS-QQ-A- 250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	-	12/20/19	32 sf	0 sf	32 sf	\$18.149375/sf	\$580.78

64 sf  
Vn  
(2 pcs)

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9-89

**Grand Total: \$4,538.18**

## **Order Notes**

### **Procurement Quality Clauses**

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

CL

Plex 12/17/19 9:04 AM Dart.Lavoie.Chantal



**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT***cl 80*

C000184919

**Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL

**Delivery Route**

5

*WRAP**+ Palette 4'x8'***Customer N **

CLI0001056

**Date**

2019/12/17

**Delivery date****2019/12/19****Your order N **

POHB045418

**Processed by**

Josianne Bourdon

**Salesman**

JOSIANNE BOURDON

**Carrier**

OUELLETTE VALLEYFIELD

**Credit Terme**

Net 30 Days

**Instruction** F-M

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>1 CHANNEL ALU 3/4 X 3/4 X 1/8 6063-T5 *</b> CHAL-343418 <b>1981</b> 1 X 21' POHB045418 LINE 1 CAST ; 19193172	6.17	21.00	PI_\$CLB		21'						
<b>2 ANGLE ALU 3/4 X 3/4 X 1/16 C 6063-T5 *</b> AAL-3434116 <b>1361</b> 1 X 21' POHB045418 LINE 2 CAST 41324	2.25	21.00	PI_\$CLB		21'						
<b>3 SHEET SS 18G SS304-2B DART</b> FESSD-18G3042B-V <b>12468</b> 10 X 4' X 8' POHB045418 LINE 3 HEAT YU187124 PACKAGING	672.00	320.00	PI2_\$CLB		10X						
<b>4 SHEET SS 11G SS304-2B (4 X 8)</b> FESS-11G483042B <b>3402</b> 2 X 4' X 8' POHB045418 LINE 4 HEAT D73E	336.00	64.00	PI2_\$CLB		2X						
<b>5 SHEET SS 14G SS304-2B (4 X 8)</b> FESS-14G483042B <b>3412</b> 2 X 4' X 8' POHB045418 LINE 5 HEAT LZ25HC10	209.98	64.00	PI2_\$CLB		2X						

LINE 3

WT 80187124

M304S16GA

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALEDSPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

FINISH	DART M-NUMBER IDENTIFIER
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

PART NUMBER: M304S TT GA #P  
[GA]WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIEREG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325



DEC 24 2019

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9-89

RELEASED

2015 FEB 04

ECN 15-122 47

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MR	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1); ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		M304S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		304/316 SS SHEET	NTS
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



# **MATERIAL RECEIPT INSPECTION FORM**

MATERIAL: M304S18GA1  
 DATE: DEC 24 2019

PO / BATCH NO.: POHBO4548  
S243464

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 320SF  
 QUANTITY INSPECTED: 320SF  
 QUANTITY REJECTED: 4SF

THICKNESS ORDERED: .050  
 THICKNESS RECEIVED: .050  
 SHEET SIZE ORDERED: 4'x8'  
 SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	CIRCLED SPOTS ON SHEET (1)
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM A240
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	HIT YU187124
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="radio"/> Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>82</u> 9-89		SIGNED OFF BY: _____	
DATE: <u>DEC 24 2019</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

Job: _____  Part No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	<b>DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Water Jet <input type="checkbox"/>            Supplier <input type="checkbox"/>            Quality <input type="checkbox"/> </div> </div>			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
<b>Root Cause</b>  Operator <input type="checkbox"/> Manufacturing Process <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Handling/Presservation <input type="checkbox"/> Material <input type="checkbox"/> Product Improvement <input type="checkbox"/> Process Improvement <input type="checkbox"/> Human Factors <input type="checkbox"/>		<b>FAULT CATEGORY</b>  <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pressure/Forced  <input type="checkbox"/> Bending  <input type="checkbox"/> Crushing  <input type="checkbox"/> Cracks  <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist  <input type="checkbox"/> Marks/Chatter  <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination  <input type="checkbox"/> Misaligned/off center  <input type="checkbox"/> BOM/Route  <input type="checkbox"/> Broken/Damage/Defect  <input type="checkbox"/> Incomplete/Unclear Instructions  <input type="checkbox"/> Drill Holes  <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Folio/Program  <input type="checkbox"/> Grain Direction  <input type="checkbox"/> Weld  <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Out of Sequence  <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong  <input type="checkbox"/> Outside Tolerance  <input type="checkbox"/> Drawing  <input type="checkbox"/> Finish  <input type="checkbox"/> Part Lost/Missing  <input type="checkbox"/> Misread         </div> </div>			
Other/Details:					



120 QC 8	10 pcs	3/6/20	0.00 0.00	QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 2 - 76	
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
130 Packaging 3-1 - Stock - B4B	10 pcs	3/6/20	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	

DAS  
40  
FEB 26 2020 8:58

MFL

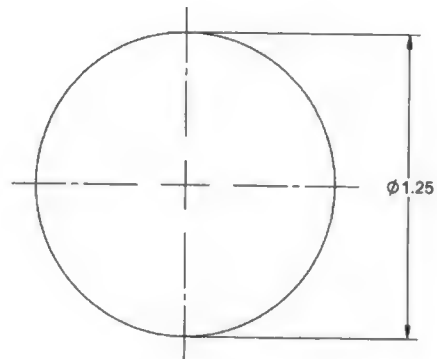
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
140 QC 21 - SA	10 pcs	3/6/20	0.00 0.00	QC 21 - SA - 21	21
				QC 21 - SA - 70	9-51
				QC 21 - SA - 53	
Part Op <b>100</b> - 1-Cut as per D5762 DWG. DWG. Rev: <u>A</u> PROG. Rev: <u>A</u> 2-Deburr if necessary Descriptions: <b>110</b> - QC2- Inspect parts off machine FAI/FAIB <b>120</b> - QC8- Inspect parts - second check <b>130</b> - Identify as per dwg & Stock Location: _____ <b>140</b> - QC21- Final Inspection - Work Order Release					
<b>Job BOM</b>					
<b>Part / Item</b>	<b>Component Name</b>	<b>Quantity</b>	<b>Operation</b>	<b>Container</b>	
M304S18GA	304/316 .050 Sheet	.0600 sf (.006 ea)	100-Waterjet - Flow - 1	S243464	
<b>Job Allocations</b>					
<b>Operation</b>	<b>Component Part</b>	<b>Required</b>	<b>Inventory</b>	<b>Allocated</b>	
100-Waterjet - Flow - 1	M304S18GA	0	585	0	
<b>Part Specifications</b>					
Specifications could not be found.					

Plex 2/25/20 12:34 PM Dart.lajeunesse.marie

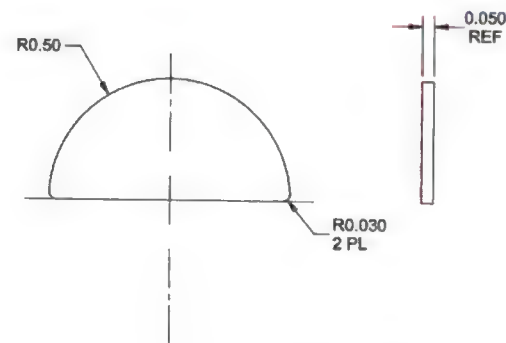




SHOP COPY  
 RETURN TO  
 ENGINEERING  
 UNCONTROLLED COPY  
 SUBJECT TO AMENDMENT  
 WITHOUT NOTICE  
 WORK ORDER  
 NO. 207383 MUS  
2002-25



**D5762-15 CAP**  
 (DERIVED FROM AERO DESIGN P/N 78633-09)



**D5762-17 CAP**

UNDER REVIEW  
 URF 2020-524 20.02.20 (NO)

**NOTES:**

- 1) MATERIAL: 304/316 STAINLESS STEEL SHEET ANNEALED, #18 GA (0.050 THICK)  
 PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
 REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -15: 0.02 lbs  
 -17: 0.01 lbs

**RELEASED**  
 2020 FEB 19

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	DD	<b>D5762</b>	SHEET 14 OF 14
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>AFT BEAM</b>	NTS
DATE	19.12.17	COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER POHB045418



**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**Attention:** Langevin, Melanie

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB045418

**PO Date:** 12/17/19

**Due Date:** 12/20/19

**Purchase Order  
Revision:**

DEC 17 2019

**Revision Date:**

**Ship-To Contact:** Phone:

**Via:** Ground

**Pymt Terms:** Net 60

**Freight Terms:**

**Special Comments:** QUOTE NO. SOU0230636

## Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M6063T5C.75X.75W.125			6063-T5 Channel 0.750" x 0.750" x 0.125" wall receive ft	Firmed -		12/20/19	21 ft	0 ft	21 ft	\$1.006/ft	\$21.13
2		M6063T5A0.750W.063			6063-T5 Angle .750 X.750 X.063 WALL receive ft	Firmed -		12/20/19	21 ft	0 ft	21 ft	\$0.3757142/ft	\$7.89
3		M304S18GA			304/316 .050 Sheet MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		12/20/19	320 sf	0 sf	320 sf	\$5.6679375/sf	\$1,813.74



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB045418



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M304S11GA			304/316 0.125 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		12/20/19	64 sf	64 sf 0 sf 64 sf Vm (289)	64 sf	\$12.912343/sf	\$826.39
												DAS 82 9-89	
												DEC 23 2019	
5		M304S14GA			304SS sheet .080 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		12/20/19	64 sf	64 sf 0 sf 64 sf Vm (289)	64 sf	\$7.7415625/sf	\$495.46
												DAS 82 9-89	
												DEC 23 2019	
6		M304S16GA	D3494		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		12/20/19	128 sf	128 sf 0 sf 128 sf Vm (489)	128 sf	\$6.1936718/sf	\$792.79
												DAS 82 9-89	
												DEC 23 2019	





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **POHB045418**



## **Items**

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7		M6061T6S.188			6061-T6 .188 Sheet : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/11 OR AMS-QQ-A- 250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed -		12/20/19	32 sf	0 sf	32 sf	\$18.149375/sf	\$580.78

648

Um  
(100)

DEC 23 2019

DAS  
82  
9-89

**Grand Total: \$4,538.18**

## **Order Notes**

### **Procurement Quality Clauses**

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 12/17/19 9:04 AM Dart.Lavoie.Chantal

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

CO00184919

<b>Billed to</b> DART AEROSPACE LTD  1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	<b>Shipped to</b>  1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7  Att : CHANTAL <b>Delivery Route</b> 5 + <i>5 Palettes 4'x8'</i>	<b>Customer N°</b> <b>Date</b> <b>Delivery date</b> <b>Your order N°</b> <b>Processed by</b> <b>Salesman</b> <b>Carrier</b> <b>Credit Terme</b>	CLI0001056 2019/12/17 <b>2019/12/19</b> POHB045418 Josianne Bourdon JOSIANNE BOURDON OUELLETTE VALLEYFIELD Net 30 Days
<b>Instruction</b> F-M			

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>1 CHANNEL ALU 3/4 X 3/4 X 1/8 6063-T5 *</b> CHAL-343418 1981 1 X 21' POHB045418 LINE 1 CAST ; 19193172	6.17	21.00	PI_\$CLB		21'						
<b>2 ANGLE ALU 3/4 X 3/4 X 1/16 C 6063-T5 *</b> AAL-3434116 1361 1 X 21' POHB045418 LINE 2 CAST 41324	2.25	21.00	PI_\$CLB		21'						
<b>3 SHEET SS 18G SS304-2B DART</b> FESSD-18G3042B-V 12468 10 X 4' X 8' POHB045418 LINE 3 HEAT YU187124 PACKAGING	672.00	320.00	PI2_\$CLB		10X						
<b>4 SHEET SS 11G SS304-2B (4 X 8)</b> FESS-11G483042B 3402 2 X 4' X 8' POHB045418 LINE 4 HEAT D73E	336.00	64.00	PI2_\$CLB		2X						
<b>5 SHEET SS 14G SS304-2B (4 X 8)</b> FESS-14G483042B 3412 2 X 4' X 8' POHB045418 LINE 5 HEAT LZ25HC10	209.98	64.00	PI2_\$CLB		2X						



Product Description	Qty	Weight	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>6 SHEET SS 16G SS304-2B (4 X 8) DART</b> FESSD-16G483042B <b>12463</b> 4 X 4' X 8' POHB045418 LINE 6 HEAT 4167	336.00	128.00	PI2_\$CLB		4X						
<b>Note : ATTENTION: MILL TEST REQUIS</b> Chaque item identifier avec : - Le # PO client - Le # d'item - Le heat # - Emballer les pièces dans carton											
<b>Conditions :</b> All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.				<b>Total Weight (Lbs) :</b> 1 562.40			<b>NIR :</b> R-109516-6				
Prepared By :	Verified By :	Delivered By :	Time	<div style="border: 1px solid black; width: 150px; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-around;"> <span>Y</span> <span>M</span> <span>D</span> </div>							
				Customer's Signature			Date				

LINE 3

# MATERIAL RECEIPT INSPECTION FORM

PO#B045418

MATERIAL: M304S18GA

PO / BATCH NO.: PO#B045418

DATE: DEC 24 2019

52434641

MATERIAL CERT REC'D: YES

THICKNESS ORDERED: .050

QUANTITY RECEIVED: 320SF

THICKNESS RECEIVED: .070

QUANTITY INSPECTED: 320SF

SHEET SIZE ORDERED: 4'x8'

QUANTITY REJECTED: 4SF

SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CIRCLED SPOTS ON SHEET (1)
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	ASTM A240
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	HIC Y0187124
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>82</u> 9-89	SIGNED OFF BY: _____
DATE: <u>DEC 24 2019</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

LINE 3

KIT YU187124

M304S16GA

**SPECIFICATION CONTROL DRAWING**PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALEDDAS  
82  
9-89

DEC 24 2019

SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

## FINISH

UNPOLISHED No. 1  
UNPOLISHED No. 2D  
UNPOLISHED No. 2B  
POLISHED No. 3  
POLISHED No. 4  
BUFFED No. 6  
BUFFED No. 7  
BUFFED No. 8DART M-NUMBER  
IDENTIFIER1P  
2D  
NONE  
3P  
4P  
6P  
7P  
8PPART NUMBER: M304S TT GA #P  
GAWHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIEREG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

## GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

**RELEASED**

2015 FEB 04

ECS 15-122 47

DESIGN	DS	DART AEROSPACE LTD	REV. D
DRAWN	A/S	HAWKESBURY, ONTARIO, CANADA	SHEET 1 OF 1
CHECKED		DRAWING NO.	SCALE
MFG. APPR.		M304S	NTS
APPROVED		TITLE	
DE APPR.		304/316 SS SHEET	
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS UNCLASSIFIED AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DART AEROSPACE LTD.	



FESS- 18G483042B

TRA 3686 52742

MILL TEST CERTIFICATE

Invoice No.: SQCAEW8602TE6

Steel Grade: AISI 304L

Date: 2018/07/25

Surface Finish: 2B

Page: P02/P04

Goods: STAINLESS STEEL COLD ROLLED SHEETS

Specification: ASTM A240/A480

Certificate No.: PTTW028604TE6

Product ID	Chemical Composition (%)											Mechanical Properties				
	C	SI	Mn	P	S	NI	Cr	N				Tensile Test			Hardness Test	
												Y.S. (Mpa)	T.S. (Mpa)	EL (%)	HRB	HV
75S43073B-23	0.018	0.360	0.760	0.037	0.004	8.01	18.09	0.038				297	647	50.0	82	162
75S43073B-24	0.018	0.360	0.760	0.037	0.004	8.01	18.09	0.038				297	647	50.0	82	162
75S43476-7	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
75S43476-8	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
75S43476-9	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
75S43476-A	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
75S43476-B	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
75S43476-1	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
75S43476-2	0.029	0.330	0.930	0.035	0.009	8.07	18.05	0.040				268	625	56.0	82	162
76S87832A-1	0.024	0.380	1.370	0.029	0.002	8.03	18.30	0.056				341	683	52.0	90	191
Product ID	Heat No.		SIZE				PCS		Remarks							
75S43073B-23	YU280024		16GA X 60" X 120"				21		REFERRING TO ASTM SPEC PO NUMBER: 18-P-266 LC NUMBER: DC HMN812260 OBL NUMBER: KHHMTRJ7829 CONTAINER NUMBER: MEDU7714189, MEDU6306285 Manager Of QA Dept. K.C.W.							
75S43073B-24	YU280024		16GA X 60" X 120"				20									
75S43476-7	YU187124		18GA X 48" X 96"				49									
75S43476-8	YU187124		18GA X 48" X 96"				49									
75S43476-9	YU187124		18GA X 48" X 96"				49									
75S43476-A	YU187124		18GA X 48" X 96"				49									
75S43476-B	YU187124		18GA X 48" X 96"				54									
75S43476-1	YU187124		18GA X 48" X 120"				33									
75S43476-2	YU187124		18GA X 48" X 120"				33									
76S87832A-1	LZ256A09		18GA X 60" X 120"				30									

We hereby certify that material described herein has been manufactured and tested as follows:

We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

Heat: YU 187124

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

Job: _____  Part No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	<b>DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Water Jet <input type="checkbox"/>            Supplier Quality <input type="checkbox"/> </div> </div>			
Date :	Sequence #:	QTY Affected :	MRB (QSI042)		
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
<b>Root Cause</b>  <div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/>            Manufacturing Process <input type="checkbox"/>            Equip/Tooling <input type="checkbox"/>            Handling/Presservation <input type="checkbox"/>            Material <input type="checkbox"/>            Product Improvement <input type="checkbox"/>            Process Improvement <input type="checkbox"/>            Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced  <input type="checkbox"/> Bending  <input type="checkbox"/> Crushing  <input type="checkbox"/> Cracks  <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist  <input type="checkbox"/> Marks/Chatter  <input type="checkbox"/> Mislabeled         </div> </div>		<b>FAULT CATEGORY</b>  <div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination  <input type="checkbox"/> Misaligned/off center  <input type="checkbox"/> BOM/Route  <input type="checkbox"/> Broken/Damage/Defect  <input type="checkbox"/> Incomplete/Unclear Instructions  <input type="checkbox"/> Drill Holes  <input type="checkbox"/> Fit/Function         </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Folio/Program  <input type="checkbox"/> Grain Direction  <input type="checkbox"/> Weld  <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Out of Sequence  <input type="checkbox"/> Off-set/Set-up         </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong  <input type="checkbox"/> Outside Tolerance  <input type="checkbox"/> Drawing  <input type="checkbox"/> Finish  <input type="checkbox"/> Part Lost/Missing  <input type="checkbox"/> Misread         </div> </div>			
Other/Details:					